

# PACKET PROCESSING IN SHARED MEMORY MULTI-COMPUTER SYSTEMS

## ABSTRACT

Systems and methods of processing packets in a shared memory multi-computer environment are described. A local shared memory network is provided between local nodes and a global shared memory network is provided between the local nodes and one or more remote nodes. In this way, local nodes may  
5 communicate through standard network interfaces while using shared memory as the physical transport medium. In addition, a multi-computer system may be addressed externally and internally as individual nodes over the local shared memory network. A multi-computer system also may be addressed externally and internally as a single node over the global shared memory network.